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LANDSCAPE GARDEN SERIES



IV. PLANTS FOR THE HOME GROUNDS

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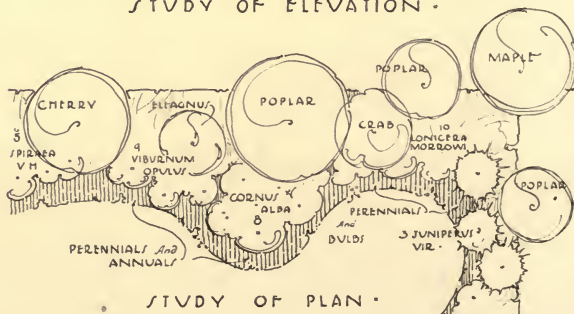
PRESENTED BY
Glen G. Mosher

~~Amos Lee~~

GLEN G. MOSHER



STUDY OF ELEVATION.



STUDY OF PLAN.

Fig. 1—Sketches and photographs, showing how to determine what plants to select to secure a desired effect.

Root, Ralph Rodney

LANDSCAPE GARDEN SERIES

PLANTS FOR THE HOME GROUNDS

BY

NOBLE P. HOLLISTER, B. S. IN L. G.



THE GARDEN PRESS
DAVENPORT, IOWA

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INTRODUCTION

The plant lists compiled in this booklet are intended to serve as an example of classification of plant material according to special purposes. These lists are not complete—that is, they do not describe each species in full, nor do they include all native or imported plants of value for ornamental purposes. The author has sought to list in general only the species that are reasonably common in cultivation, and may be reasonably expected to grow under average ordinary conditions.

The plants thus listed are to be found in use for ornamental planting in that part of the United States north of the Ohio River and east of the Missouri River. The degree of success with many of these plants varies in different localities. The Ericaceae, including many of the broad-leaved evergreen plants in common use in eastern states, are without exception unsuccessful in the limestone soil region of the Middle West. The extreme climatic variations in the same section reduce the number of dependable coniferous evergreens to a dissatisfying minimum.

The author has, therefore, distinguished those plants that have proved to be reasonably successful and are under cultivation by several nurserymen throughout that portion of the United States included in this list. Plants that are considered thus generally in use are marked with an asterisk (*).

Plants that are not so marked may be very successful in a number of localities that are widely separated. It is left to the reader to determine whether any particular species that is not designated as generally hardy, but which he desires, is successful in his particular locality. This may be determined by personal observation or by inquiry of a nurseryman or landscape architect.

Complete description of the plants listed is impossible in the limited space available. It is necessary for anyone who is unfamiliar with the plants named to supplement this list by personal observation the year round, and by reference to Bailey's Encyclopedia of Horticulture, various nursery descriptive catalogues and books on trees, shrubs and flowers.

I. EVERGREENS FOR FORMAL PLANTING

Note—All plants marked (*) are those which have proved to be reasonably successful and are in general use. (See introduction).

The figure following the common name indicates the ultimate height in growth. The letters indicate the leaf colors: the meaning of abbreviation as follows: (R) red, (Y) yellow, (B) blue, (G) gray. (RG) red-green, (YG) yellow-green, (BG) blue-green, [GG] gray-green.

FOR HEDGES AND OTHER RIGID LINE EFFECTS HIGH

Narrow pyramidal or columnar—

*†Juniperus virginiana, *Red Cedar*, 30', R. G.

*†Thuya occidentalis, *American Arbor Vitae*, 30', YG.

*†Thuya occ. pyramidalis, *Pyramidal Arbor Vitae*, 30', YG.

Broad pyramidal—

*†Picea alba, *White Spruce*, 50', GG.

*†Picea excelsa, *Norway Spruce*, 50', YG.

MEDIUM

Note—Any of the high-growing evergreens listed above may be kept to medium height by clipping.

Narrow pyramidal or columnar—

†Biota orientalis, *Oriental Arbor Vitae*, 10', YG.

*†Thuya occidentalis Wareana, *Siberian Arbor Vitae*, 10', GG.

*Thuya occidentalis Vervæneana, *Vervæne Arbor Vitae*, 20', Y.

Broad Pyramidal—

Chamaecyparis pisifera plumosa, *Plumed Cypress*, 15', GG.

†Tsuga Canadensis, *Hemlock*, 20', YG.

Note—All species above listed except *Pyramidal Arbor Vitae* may be kept low by clipping.

†Biota orientalis compacta, *Compact Oriental Arbor Vitae*, 3', YG.

†Buxus sempervirens, *Boxwood*, 6" to 5', YG.

†Chamaecyparis obtusa nana compact, *Low Japan Cypress*, 1'-3', RG.

†Picea excelsa Clanbrasiliana, *Dwarf Norway Spruce*, 2' YG.

†Picea excelsa pumila, *Dwarf Norway Spruce*, 2', YG.

†Picea excelsa Remonti, *Dwarf Norway Spruce*, 3', YG.

†Taxus cuspidata brevifolia, *Short-leaved Japan Yew*, 2' YG.

*†Thuya occidentalis globosa, *Globe Arbor Vitae*, 2', YG.

†Thuyas occidentalis Tom Thumb, *Tom Thumb Arbor Vitae*, 1', YG.

†Can be clipped or sheared.

FOR SPECIMEN OR ACCENT PURPOSES

HIGH

Note—All plants listed above under "high" are adapted for specimen use.

MEDIUM

Note—All medium plants listed above are adapted for specimen use.

Narrow pyramidal or columnar—

Juniperus chinensis, *Chinese Juniper*, 10', GG.

Juniperus Connartii, *Columnar Cedar*, 15' RG.

Juniperus Schottii, *Schott Juniper*, 10', RG.

**Juniperus communis*, *Common Juniper*, 15' GG.

Juniperus communis Hibernica, *Irish Juniper*, 10' ,GG.

Juniperus communis Suecica, *Swedish Juniper*, 10', GG.

Thuja occidentalis spiralis, *Spiral Arbor Vitae*, 10', YG.

Broad pyramidal—

Chamaecyparis pisifera filifera, *Thread-branched Cypress*, 15', YG.

Chamaecyparis pisifera, *Pea-fruited Cypress*, 15', YG.

Chamaecyparis pisifera plumosa, *Plumed Cypress*, 15', GG.

Chamaecyparis obtusa, *Japan Cypress*, 15', RG.

Chamaecyparis pisifera squarrosa, *Gray Cypress*, 10', GG.

Chamaecyparis nutkaensis, *Nootka Cypress*, 10', GG.

* Low

Note All species listed under "low" above are adapted for specimen use.

Narrow pyramidal or columnar—

Chamaecyparis obtusa nana, *Dwarf Japan Cypress*, 4', RG.

Juniperus chinensis Neaboriensis, *Neabor Juniper*, 3' -4', GG.

Juniperus excelsa stricta, *Greek Juniper*, 3'-4', GG.

Taxus baccata fastigiata, *Irish Yew*, 3'-4', YG.

Broad pyramidal, or globose—

Thuja occidentalis ericoides, *Heath-leaved Arbor Vitae*, 3', GG.

Thuja occ. Ellwangeriana, *Ellwanger Arbor Vitae*, 3', YG.

Thuja occ. recurva nana, *Cushion Arbor Vitae*, 2', RG.

Large growing trees suitable for specimen use in juvenile form—

**Abies concolor*, *White Fir*, GG.

Abies Nordmanniana, *Nordmann Fir*, RG.

**Picea excelsa*, *Norway Spruce*, YG.

Picea orientalis, *Oriental Spruce*, YG.

Sciadopitys verticillata, *Umbrella Pine*, YG.

†Can be clipped or sheared.

EVERGREENS FOR FORMAL PLANTING—Continued

EVERGREENS OF INTENSE HUE IN WHICH GREEN IS SUBORDINATE, FOR COLOR ACCENT IN FORMAL PLANTING—

Narrow pyramidal, or columnar —

Biota orientalis aurea, *Golden Oriental Arbor Vitae*, 10', Y.

Chamaecyparis obtusa nana aurea, *Golden Dwarf Japan Cypress*, 4', Y.

Juniperus communis aurea, *Golden Common Juniper*, 10', Y.

**Juniperus virginiana elegantissima*, *Elegant Cedar*, 15', Y.

**Juniperus virginiana glauca*, *Blue Cedar*, 25', B.

**Thuya occidentalis aurea*, *Golden Arbor Vitae*, 20' Y.

**Thuya occidentalis Vevaeneana*, *Vervaeene Arbor Vitae*, 20', Y.

Taxus baccata fastigiata, *Golden Irish Yew*, 4', Y.

Broad pyramidal, or globose—

Biota orientalis nana aurea, *Golden Dwarf Oriental Arbor Vitae*, 3', Y.

Chamaecyparis pisifera filifera aurea, *Golden Thread-branched Cypress*, 10', Y.

Chamaecyparis pisifera aurea, *Golden Pea-fruited Cypress*, 10', Y.

Chamaecyparis pisifera plumosa aurea, *Golden Plumed Cypress*, 10', Y.

**Picea pungens glauca*, *Colorado Blue Spruce*, 20', B.

**Picea pungens glauca Kosteriana*, *Koster Blue Spruce*, 15', B.

II. DECIDUOUS PLANTS FOR FORMAL PLANTING

FOR HEDGES AND OTHER RIGID LINE EFFECTS

HIGH

Narrow pyramidal or columnar—

Populus alba Bolleana, *Bolle's Poplar*, 30', GG.

*†*Populus nigra fastigiata*, *Lombardy Poplar*, 50', YG.

Trees with Dense, Broad, Rounded Heads for Allees, Etc.

**Acer platanoides*, *Norway Maple*, 50', YG.

†**Tilia Europea*, *European Linden*, 50', YG.

**Aesculus Hippocastanum*, *Horse Chestnut*, 40', BG.

Platanus orientalis, *Oriental Plane*, 50', YG.

MEDIUM

†*Carpinus Betulus*, *European Hornbeam*, 10', BG.

†*Carpinus* ^o*Americana*, *American Hornbeam*, 10', BG.

†Can be clipped or pruned as desired. Plants not marked may be lightly sheared for symmetry.

DECIDUOUS PLANTS FOR FORMAL PLANTING 9

- Cercidiphyllum japonicum*, *Kadsura Tree*, 15', RG.
 *†*Cornus Mas*, *Cornelian Cherry*, 10', RG.
 **Cornus alba*, *Siberian Dogwood*, 6', RG.
 *†*Crataegus*, in variety, *Thorn*, 10', RG.
 **Eleagnus angustifolia*, *Russian Olive*, 10', GG.
 †*Fagus sylvatica*, *European Beech*, 15', PG.
 †*Forsythia viridissima*, *Golden Bell*, 8', Y. G.
 **Forsythia intermedia*, *Golden Bell*, 8', YG.
 *†*Gleditschia triacanthos*, *Honey Locust*, 15', YG.
 †*Hibiscus Syriacus*, *Rose of Sharon*, 10', BG.
 *†*Ligustrum*, in variety, *Privet*, 6'-8', YG.
 *†*Lonicera*, in variety, *Bush Honeysuckle*, 6'-8', BG.
 *†*Morus tartarica alba*, *Mulberry*, 10', YG.
 *†*Rhamus catharticus*, *Buckthorn*, 8', RG.
 **Rhamnus frangula*, *Alder Buckthorn*, 8', RG.
 **Salix Pentandra*, *Laurel Willow*, 10', YG.
 **Salix Caprea*, *Pussy Willow*, 10', GG.
 **Syringa vulgaris*, *Common Lilac*, 8', YG.
 †*Syringa oblata*, *Early Chinese Lilac*, 8', RG.
 *†*Spiraea Van Houttei*, *Van Houtte Bridal Wreath*, 6', RG.
 †*Toxylon pomiferum*, *Osage Orange*, 10', YG.
 †*Viburnum cassinoides*, *Withe Rod*, 8', RG.
 **Viburnum dentatum*, *Arrow Wood*, 6' PG.
 **Viburnum lantana*, *Wayfaring Tree*, 8', PG.
 **Viburnum Opulus*, *Highbush Cranberry*, 8', RG.

Low

- *†*Berberis Thunbergii*, *Japanese Barberry*, 3', RG.
 *†*Cydonia japonica*, *Japanese Quince*, 3', RG.
 †*Deutzia gracilis*, *Low Deutzia*, 2', YG.
 †*Philadelphus coronarius nana*, *Dwarf Mock Orange*, 2', YG.
 **Rosa blanda*, *Wild rose*, 3', RG.
 **Rosa rugosa*, *Japanese Rose*, 3', RG.
 **Rose*, *Dwarf polyantha* in variety, 1', YG.
 †*Viburnum Opulus nanum*, *Dwarf Highbush Cranberry*, 2', RG.

FOR SPECIMEN OR ACCENT PURPOSES

HIGH

Note—Plants listed under "high" for hedges, etc., are adapted for specimen use.

- Acer dasycarpum pyramidalis*, *Pyramidal Maple*, 30', YG.
Acer saccharum monumentale, *Monumental Maple*, 30', RG.
Betula alba fastigiata, *Pyramidal Birch*, 25', YG.

†Can be clipped or pruned as desired. Plants not marked may be lightly sheared for symmetry.

DECIDUOUS PLANTS FOR FORMAL PLANTING—Continued

For Specimen or Accent Purposes—Continued

- Cercidiphyllum japonicum*, *Kadsura Tree*, 25', PG.
Ulmus campestris *Wheatleyi*, *Wheatley Elm*, 30', YG.
Ulmus scabra fastigiata, *Pyramidal Scotch Elm*, 30', YG.

MEDIUM

- Acer tartaricum* *Ginnala*, *Siberian Maple*, 6', R.G.
Aesculus parviflora, *Dwarf Horse Chestnut*, 8', BG.
Carpinus caroliniana, *American Hornbeam*, 10', BG.
Carpinus caroliniana, *American Hornbeam*, 10', BG.
Cercis canadensis, *Red Bud*, 15', RG.
**Crataegus*, in variety, *Thorn*, 15', RG.
Fagus sylvatica, *European Beech*, 15', RG.
**Euonymus alatus*, *Winged Burning Bush*, 6', RG.
Exochorda grandiflora, *Pearl Bush*, 8', BG.
Hibiscus Syriacus, *Rose of Sharon*, 8', BG.
Acer platanoides globosa, *Globe Norway Maple*, 10', YG.
Catalpa Bungei, *Umbrella Catalpa*, 8', YG.
Ulmus campestris globosa, *Globe Elm*, 10', YG.

III. EVERGREENS FOR INFORMAL PLANTING

EITHER AS SPECIMEN OR IN GROUPS

HIGH—(Large Trees)

- **Juniperus virginiana*, *Red Cedar*, 30', RG.
**Juniperus virginiana glauca*, *Blue Cedar*, 30', B.
**Picea alba*, *White Spruce*, 50', GG.
**Picea excelsa*, *Norway Spruce*, 50', YG.
**Picea canadensis*, *Black Hill Spruce*, 40', GG.
**Pinus Austriaca*, *Austrian Pine*, 40', RG.
Pinus ponderosa, *Bull Pine*, 50', YG.
Pinus resinosa, *Red Pine*, 40', RG.
**Pinus Strobus*, *White Pine*, 50', YG.
**Thuja occidentalis*, *American Arbor Vitae*, 30', YG.
Tsuga canadensis, *Hemlock*, 30', YG.
Magnolia grandiflora, *Bull Bay*, 50', RG.

MEDIUM

- **Abies concolor*, *White Fir*, 25', GG.
Abies Nordmanniana, *Nordmann Fir*, 25', RG.

DECIDUOUS PLANTS FOR INFORMAL PLANTING 11

- Chamaecyparis obtusa*, *Japan Cypress*, 15', RG.
Chamaecyparis pisifera, *Pea-fruited Cypress*, 10', YG.
Chamaecyparis pisifera filifera, *Thread-branched Cypress*, 10', YG.
Chamaecyparis pisifera plumosa, *Plumed Cypress*, 15', GG.
Picea polita, *Tiger Tail Spruce*, 10', YG.
**Picea pungens*, *Colorado Spruce*, 25', YG.
**Pseudotsuga Douglasii*, *Douglas Fir*, 20', YG and GG.
**Thuja occidentalis* *Wareana*, *Siberian Arbor Vitae*, 15', GG.

See also list under "Evergreens for formal planting", entitled: "Evergreens of intense hue in which green is subordinate".

Low

Coniferus evergreens—

- **Juniperus canadensis*, *Common Low Juniper*, 3', GG.
**Juniperus horizontalis*, *Waukegan Juniper*, 6", RG and BG.
Juniperus japonica, *Japanese Juniper*, 2', RG.
**Juniperus Pfitzeriana*, *Pfitzer Juniper*, 5', GG.
**Juniperus Sabina*, *Savin Juniper*, 2', RG.
**Juniperus Sabina tamariscifolia*, *Tamarisk Juniper*, 6", GG.
Picea excelsa, dwarf varieties, *Dwarf Norway Spruce*, 1'-3', YG.
**Pinus montana*, *Mountain Pine*, 5', YG.
**Pinus montana* *Mughus*, *Mugho Pine*, 2'-3', YG.
Taxus baccata, *English Yew*, 1'-5', YG.
Taxus baccata repandens, *Spreading Yew*, 2', YG.
Taxus canadensis, *American Yew*, 2', YG.
Taxus cuspidata, *Japanese Yew*, 1'-5', YG.

Broad-leaved evergreen shrubs—

- Andromeda*, in variety, *Fetter Bush*, 1'-4', RG.
Azalea, in variety, *Azalea*, 1'-4', RG.
Daphne Cneorum, *Garland Flower*, 1', RG.
Cotoneaster, in variety, 1'-4', RG.
Crataegus pyracantha, *Evergreen Thorn*, 4'-5', RG.
Ilex, in variety, *Holly*, 1'-5', RG.
Leucothoe Catesbaei, *Drooping Andromeda*, 1'-3', RG.
Mahonia aquifolium, *Oregon Grape*, 1'-2', RG.
Rhododendron, in variety, 1'-5', RG.

IV. DECIDUOUS PLANTS FOR INFORMAL PLANTING

TREES FOR USE AS SPECIMEN OR IN GROUPS

Large Trees—

- **Acer dasycarpum*, *Silver or Soft Maple*, 70', YG.
**Acer platanoides*, *Norway Maple*, 50', YG.

DECIDUOUS PLANTS FOR INFORMAL PLANTING—Continued

Trees for Use as Specimen or in Groups—Continued

- Acer pseudoplatanus*, Sycamore Maple, 40', BG.
Acer rubrum, Red or Swamp Maple, 40', RG.
 **Acer saccharum*, Sugar or Hard Maple, 50, RG or YG.
 **Aesculus hippocastanum*, Horse Chestnut, 40', BG.
Aesculus glabra, Buckeye, 40', YG.
 **Ailanthus glandulosa*, Tree of Heaven, 30', YG.
Alnus glutinosa, Black Alder, 30', RG.
Betula alba, White Birch, 40', YG.
 **Catalpa bignonioides*, Catalpa, 50', YG.
 **Catalpa speciosa*, Western Catalpa, 50', YG.
 **Celtis occidentalis*, Hackberry, 50', YG.
Fagus Americana, American Beech, 50', BG.
 **Fraxinus Americana*, White Ash, 40', PG.
 **Fraxinus lanceolata*, Green Ash, 60', YG.
Fraxinus quadrangulata, Blue Ash, 40', BG.
Ginkgo biloba, Maidenhair Tree, 40', BG.
 **Gleditsia triacanthos*, Honey Locust, 50', YG.
Gymnocladus canadensis, Kentucky Coffee Tree, 60', BG.
Larix decidua, European Larch, 40', YG.
Liriodendron tulipifera, Tulip Tree, 70', YG.
Magnolia tripetala, Umbrella Tree, 40', YG.
Magnolia acuminata, Cucumber Tree, 60', BG.
Platanus occidentalis, Sycamore, 80', YG.
Platanus orientalis, Oriental Plane, 50', YG.
 **Populus carolinensis*, Carolina Poplar, 70', YG.
 **Populus deltoides*, Cottonwood, 100', YG.
 **Prunus serotia*, Wild Black Cherry, 60', YG.
 **Quercus alba*, White Oak, 50', PG.
 **Quercus coccinea*, Scarlet Oak, 50' RG.
 **Quercus macrocarpa*, Bur Oak, 40', BG.
 **Quercus palustris*, Pin Oak, 50', YG.
Quercus platanioides, Swamp White Oak, 60, YG.
Quercus robur, English Oak, 30', BG.
 **Quercus rubra*, Red Oak, 70', RG.
 **Robinia pseudacacia*, Black Locust, 70', BG.
Salix alba, White Willow, 50', GG.
 **Salix vitellina aurea*, Golden Willow, 60', YG.
 **Salix vitellina Britenensis*, Salmon-bark Willow, 60', YG.
 **Tilia*, in variety, Linden or Basswood, 30'-50', YG.
 **Ulmus americana*, American Elm, 100', YG.

DECIDUOUS PLANTS FOR INFORMAL PLANTING 13

Ulmus campestris, *English Elm*, 40', YG.

**Ulmus fulva*, *Slippery Elm*, 30', GG.

Ulmus scabra, *Scotch Elm*, 40', YG.

Taxodium distichum, *Bald Cypress*, 60', YG.

Medium or small trees—

Acer campestre, *English Maple*, 15', BG.

Acer tartaricum *Ginnala*, *Siberian Maple*, 10', RG.

Aesculus parviflora, *Dwarf Horse Chestnut*, 10', BG.

Aralia spinosa, *Hercules Club*, 15', YG.

Betula lenta, *Black Birch*, 30', YG.

Betula lutea, *Yellow Birch*, 30', YG.

Betula nigra, *Red Birch*, 30', RG.

Carpinus Betulus, *European Hornbeam*, 10', BG.

Carpinus caroliniana, *American Hornbeam*, 10', BG.

Cercidiphyllum japonicum, *Kadsura tree*, 25', PG.

Cercis canadensis, *Red Bud*, 15', RG.

Cladrastis tinctoria, *Yellow Wood*, 30', YG.

Cornus florida, *Flowering Dogwood*, 15', RG.

Cornus Kousa, *Japanese Dogwood*, 15', RG.

**Crataegus*, in variety, *Thorn*, 15', RG.

**Eleagnus angustifolia*, *Russian Olive*, 20', GG.

Fagus sylvatica, *European Beech*, 10', BG.

Juglans Sieboldii, *Japanese Walnut*, 15', YG.

Koelreuteria paniculata, *Varnish Tree*, 15', BG.

Larix Kaempferi, *Japanese Larch*, 20', YG.

Liquidambar styraciflua, *Sweet Gum*, 20', RG.

Magnolia Soulangeana, *Soulange Magnolia*, 15' GG.

**Morus tatarica alba*, *Mulberry*, 15', YG.

Prunus, *Flowering Cherries and Peaches*, 10', YG and RG.

**Ptelea trifoliata*, *Wafer Ash*, 15', YG.

**Pyrus*, *Flowering Crabs*, in variety, 15', RG and GG.

**Salix Caprea*, *Pussy Willow*, 10', GG.

**Salix pentandra*, *Laurel Willow*, 15', YG.

Sassafras officinale, *Sassafras*, 20', RG.

Sorbus americana, *Mountain Ash*, 15', BG.

**Sorbus aucuparia*, *European Mountain Ash*, 15', BG.

Sorbus aucuparia quercifolia, *Oak-leaved Mountain Ash*, 15', BG.

TREES OF ABNORMAL HABIT FOR OCCASIONAL SPECIMEN USE

Note—It is better to avoid these in all types of planting.

Fagus sylvatica pendula, *European Weeping Beech*.

Fagus sylvatica purpurea pendula, *Purple Weeping Beech*.

Morus alba tatarica pendula, *Tea's Weeping Mulberry*.

Salix caprea pendula, *Weeping Pussy Willow*.

DECIDUOUS PLANTS FOR INFORMAL PLANTING—Continued

Trees of Abnormal Habit for Occasional Specimen Use—Continued

- Sophora japonica pendula*, *Weeping Pagoda Tree*.
Sorbus aucuparia pendula, *Weeping Mountain Ash*.
Tilia argentea pendula, *Weeping Linden*.
Ulmus scabra pendula, *Camperdown Elm*.

SHRUBS FOR BORDERS AND MASSES

High or "background" shrubs—8'-15'—

Note—Small trees are often used as high shrubs.

- **Amorpha fruticosa*, *Lead Plant*, 8'-10', BG.
- Chionanthus virginica*, *White Fringe*, 8'-10', PG.
- **Cornus Mas*, *Cornelian Cherry*, 8'-10', PG.
- **Cornus sanguinea*, *Red Osier*, 8'-9', RG.
- **Corylus maxima*, *Hazel*, 8'-10', PG.
- **Eleagnus argentea*, *Silver Thorn*, 8'-12', GG.
- **Forsythia Fortunei*, *Fortune's Golden Bell*, 8'-10', YG.
- Forsythia viridissima*, *Green Golden Bell*, 8'-10', YG.
- **Hamamelis virginiana*, *Witch Hazel*, 8'-12', PG.
- Hibiscus Syriacus*, *Rose of Sharon*, 8'-12', BG.
- Ligustrum vulgare*, *Common Privet*, 8'-10', YG.
- **Lonicera grandiflora*, *Large Honeysuckle bush*, 8'-12', BG.
- **Lonicera tartarica*, *Tartarian Honeysuckle*, 8'-12', BG.
- **Lonicera Ruprechtiana*, *Ruprecht Honeysuckle*, 8'-10', BG.
- **Philadelphus coronarius*, *Mock Orange*, 8'-10', YG.
- **Philadelphus grandiflorus*, *Large Mock Orange*, 8'-12', YG.
- **Prunus Americana*, *Wild Plum*, 8'-12', RG.
- **Prunus nigra*, *Wild Plum*, 8'-12', PG.
- **Prunus padus*, *Bird Cherry*, 8'-15', YG.
- **Prunus virginiana*, *Choke Cherry*, 8'-15', YG.
- **Rhamnus catharticus*, *Buckthorn*, 8'-10', BG.
- **Rhamnus frangula*, *Alder Buckthorn*, 8'-10', RG.
- Rhus Cotinus*, *Smoke Bush*, 8'-10', BG.
- **Rhus glabra*, *Smooth Sumach*, 8'-10', RG.
- **Rhus typhina*, *Staghorn Sumach*, 8'-15', RG.
- **Sambucus canadensis*, *Common Elder*, 8'-10', YG.
- Sambucus racemosa*, *Red-berried Elder*, 8'-10', YG.
- Shepherdia argentea*, *Buffalo Berry*, 8'-15', GG.
- **Spiraea opulifolia*, *Ninebark*, 8'-9', YG.
- Staphylea trifoliata*, *Bladder Nut*, 8'-12', YG.
- **Syringa japonica*, *Japanese Lilac*, 8'-12', YG.
- **Syringa Josikaea*, *Hungarian Lilac*, 8'-10', PG.

DECIDUOUS PLANTS FOR INFORMAL PLANTING 15

- Syringa oblata*, *Early Chinese Lilac*, 8'-10', RG.
- **Syringa vulgaris*, *Common Lilac*, 8'-12', YG.
- **Viburnum Lantana*, *Wayfaring Tree*, 8'-15', PG.
- **Viburnum lentago*, *Sheepberry*, 8'-15', RG.
- **Viburnum Opulus*, *Highbush Cranberry*, 8'-10', RG.
- Viburnum Opulus sterile*, *Snowball*, 8'-10'.
- **Viburnum prunifolium*, *Black Haw*, 8'-12', RG.
- Viburnum Sieboldii*, *Siebold Viburnum*, 8'-12', PG.

Medium or "filler" shrubs—4'-8'—

- **Amelanchier botryapium*, *Juneberry*, 4'-6', YG.
- **Aralia pentaphylla*, *Five-leaved Aralia*, 4'-6', YG.
- **Aronia nigra*, *Black Chokeberry*, 4'-8', RG.
- **Aronia arbutifolia*, *Red Chokeberry*, 4'-8', RG.
- **Baccharis halimifolia*, *Groundsel Shrub*, 4'-6', BG.
- Calycanthus floridus*, *Sweet Shrub*, 4'-6', PG.
- Caragana arborescens*, *Siberian Pea*, 4'-6', BG.
- **Colutea arborescens*, *Bladder Senna*, 4'-6', BG.
- Cephalanthus occidentalis*, *Button Bush*, 4'-6', RG.
- **Cornus alba*, *Siberian Dogwood*, 4'-8', RG.
- **Cornus paniculata*, *Gray Dogwood*, 4'-8', PG.
- **Cornus sericea*, *Purple Dogwood*, 4'-6', PG.
- **Cornus stolonifera*, *Red Dogwood*, 4'-8', RG.
- **Cornus stonifera aurea*, *Golden Dogwood*, 4'-6', YG.
- **Corylus americana*, *Hazel Bush*, 4'-6', PG.
- **Cydonia japonica*, *Japanese Quince*, 4'-6', RG.
- Deutzia crenata*, *Deutzia*, 4'-5', YG.
- Deutzia scabra*, *Roughleaved Deutzia*, 4'-5', GG.
- **Diervilla*, in variety, *Weigela*, 4'-6', YG.
- Dirca palustris*, *Leatherwood*, 4'-6', YG.
- Eleagnus longipes*, *Coumi*, 4'-6', GG.
- **Euonymus alatus*, *Winged Burning Bush*, 4'-8', RG.
- Euonymus americana*, *Native Burning Bush*, 4'-6', RG.
- **Euonymus atropurpurea*, *Burning Bush*, 4'-6', RG.
- **Euonymus europaeus*, *European Burning Bush*, 4'-8', RG.
- Exochorda grandiflora*, *Pearl Bush*, 6'-8', BG.
- **Forsythia intermedia*, *Golden Bell*, 4'-6', YG.
- **Forsythia suspensa*, *Drooping Golden Bell*, 4'-6', YG.
- **Hydrangea arborescens sterilis*, *Hills of Snow*, 4'-5', YG.
- **Hydrangea paniculata*, *Panicked Hydrangea*, 4'-8', YG.
- Ilex verticillata*, *Winterberry*, 6'-8', RG.
- **Ligustrum*, in variety, *Privet*, 4'-8', YG.
- Lonicera fragrantissima*, *Honesysuckle*, 4'-6', BG.
- **Lonicera Morrowii*, *Japanese Honeysuckle*, 4'-6', BG.

DECIDUOUS PLANTS FOR INFORMAL PLANTING—Continued

Shrubs for Borders and Masses—Continued

- Magnolia stellata*, *Starry Magnolia*, 4'-6', YG.
 **Philadelphus Lemoinei*, *Lemoine Mock Orange*, 4'-6', YG.
Prunus japonica, *Flowering Plum*, 4'-6', YG.
Prunus triloba, *Flowering Almond*, 4'-6', RG.
Prunus pumila, *Sand Cherry*, 4'-6', RG.
Prunus maritima, *Beach Plum*, 4'-6', RG.
 **Prunus tomentosa*, *Cherry Shrub*, 4'-8', YG.
 **Ribes*, in variety, *Flowering Currant*, 4'-6', YG.
 **Rhodotypos kerrioides*, *White Kerria*, 4'-5', YG.
Rhus copallina, *Shining Sumach*, 4'-8', RG.
 **Rosa rugosa*, *Japanese Rose*, 4'-5', RG.
Rubus odoratus, *Flowering Raspberry*, 4'-5', RG.
 **Spiraea Billardi*, *Billard Spiraea*, 4'-5', RG.
Spiraea prunifolia flore pleno, *Bridal Wreath*, 4'-5', RG.
 **Spiraea salicifolia*, *Meadow Sweet*, 4'-5', RG.
Spiraea sorbifolia, *Ash-leaved Spiraea*, 4'-5', YG.
 **Spiraea Van Houttei*, *Bridal Bower*, 4'-6', RG.
 **Syringa persica*, *Persian Lilac*, 4'-6', PG.
 **Syringa Rothomagensis*, *Rouen Lilac*, 4'-6', PG.
Syringa villosa, *Himalyan Lilac*, 4'-5', PG.
 **Tamarix*, in variety, *Tamarisk*, 4'-5', GG.
Viburnum cassinoides, *White Rod*, 4'-8', RG.
Viburnum acerifolium, *Maple-leaved Viburnum*, 4'-6', RG.
 **Viburnum dentatum*, *Arrow Wood*, 4'-6', PG.
 **Viburnum pubescens*, *Downy Viburnum*, 4'-6', RG.
 **Viburnum molle*, *Common Viburnum*, 4'-6', PG.
Viburnum tomentosum, *Japanese Viburnum*, 4'-8', YG.
Viburnum tomentosum plicatum, *Japanese Snowball*, 4'-8', YG.

Low or "facer" shrubs (1'-4')—

- Acer japonicum*, *Japanese Maple*, 2'-5', RG and YG.
Amorpha canescens, *Indigo Plant*, 2'-4', BG.
Azalea, hardy varieties, *Azalea*, 2'-4', RG.
 **Berberis Thunbergii*, *Japanese Barberry*, 1'-5', RG.
Caryopteris mastacanthus, *Blue Spiraea*, 1'-3', RG.
Ceanothus americanus, *New Jersey Tea*, 1'-2', RG.
Callicarpa purpurea, *Beauty Fruit*, 2'-4', RG.
Cydonia Maulei, *Japanese Quince*, 2'-4', RG.
Deutzia gracilis, *Low Deutzia*, 1', YG.
Deutzia Lemoinei, *Lemoine Deutzia*, 1'-3', YG.
 **Diervilla trifida*, *Low Bush Honeysuckle*, 1'-4', YG.

- Hypericum* in variety, *St. John's Wort*, 1'-3', YG.
Kerria japonica, *Globe Flower*, 1'-3', YG.
Lonicera Heckrottii, *Low Honeysuckle*, 1'-3', BG.
Lycium Chinense, *Matrimony Vine*, 1'-3', GG.
Myrica cerifera, *Bayberry*, 2'-4', RG.
Philadelphus coronarius nana, *Dwarf Mock Orange*, 1'-3', YG.
Potentilla fruticosa, *Shrubby Cinquefoil*, 1'-2', YG.
Rhamnus alpina, *Low Buckthorn*, 1'-4', RG.
 **Rhus aromatica*, *Fragrant Sumach*, 1'-3', RG.
 **Ribes alpinum*, *Mountain Currant*, 1'-4', YG.
Rosa, native bush and trailing forms, 1'-4', RG.
Spiraea arguta, *Hybrid Snow Garland*, 1'-4', RG.
Spiraea cantoniensis, *Canton Spiraea*, 1'-3', RG.
 **Spiraea callosa*, *Fortune's Spiraea*, 1'-2', RG.
 **Spiraea bumalda*, *Everblooming Spiraea*, 1'-2', RG.
Spiraea Thunbergii, *Snow Garland*, 1'-4', RG.
Stephanandra flexuosa, *Lace Shrub*, 2'-4', RG.
 **Symphoricarpos racemosus*, *Snowberry*, 3'-4', BG.
 **Symphoricarpos vulgaris*, *Indian Currant*, 3'-4', RG.
Viburnum Carlesii, *Carle's Viburnum*, 3'-4', GG.
-

V. WOODY PLANTS ENDURING SHADE

Deciduous—

- Acer Pennsylvanicum*, *Moosewood*.
 **Amelanchier*, in variety, *Juneberry*.
 **Aralia pentaphylla*, *Five-leaved Aralia*.
Azalea, in variety.
Benzoin odoriferum, *Spice Bush*.
Carpinus caroliniana, *Hornbeam*.
Carpinus Betulus, *European Hornbeam*.
Calycanthus floridus, *Sweet Shrub*.
Ceanothus americanus, *New Jersey Tea*.
Cephalanthus occidentalis, *Button Bush*.
Cercis canadensis, *Red Bud*.
Chionanthus virginica, *White Fringe*.
Clethra alnifolia, *Sweet Pepper Bush*.
 **Cornus*, in variety, *Dogwood*.
 **Diervilla trifida*, *Low Bush Honeysuckle*.
 **Euonymus*, in variety, *Burning Bush*.
 **Hamamelis virginiana*, *Witch Hazel*.
Hedera helix, *English Ivy*.

WOODY PLANTS ENDURING SHADE—Continued

Deciduous—Continued

- **Hydrangea arborescens*, *Hydrangea*.
- Ilex verticillata*, *Winterberry*.
- **Ligustrum*, in variety, *Privet*.
- Lonicera japonica* Halliana, *Hall's Honeysuckle*.
- Menispermum canadense*, *Moonseed Vine*.
- Ostrya virginiana*, *Ironwood*.
- **Philadelphus*, in variety, *Mock Orange*.
- **Prunus tomentosa*, *Cherry Shrub*.
- **Rhamnus catharticus*, *Buckthorn*.
- **Rhodotypos kerrioides*, *White Kerria*.
- **Ribes*, in variety, *Flowering Currant*.
- **Rubus*, in variety, *Raspberry*.
- **Symphoricarpos racemosus*, *Snowberry*.
- **Symphoricarpos vulgaris*, *Indian Currant*.
- **Viburnum*, in variety.
- Xanthorrhiza apiifolia*, *Yellow Root*.

Evergreen—

- Andromeda*, in variety, *Fetter Bush*.
- Azalea*, in variety.
- Buxus*, in variety, *Boxwood*.
- Kalmia*, in variety, *Laurel*.
- Leucothoe Catesbaei*, *Drooping Andromeda*.
- Mahonia*, in variety, *Oregon Grape*.
- **Pseudotsuga Douglasii*, *Douglas Fir*.
- Rhododendron*, in variety.
- Taxus*, in variety, *Yew*.
- Tsuga*, in variety, *Hemlock*.

VI. PLANTS FOR GROUND COVER UNDER TREES AND SHRUBS

- Arctostaphylos Uva-ursi*, *Bearberry*.
- Cornus canadensis*, *Bunch Berry*.
- **Euonymus obovatus*, *Running Strawberry Bush*.
- **Euonymus radicans* and varieties, *Evergreen Bittersweet*.
- Hedera helix*, *English Ivy*.
- **Lysimachia nummularia*, *Moneywort*.
- Mitchella repens*, *Partridge Berry*.
- **Nepeta glechoma*, *Ground Ivy*.

- **Pachysandra terminalis*, *Japanese Spurge*.
 - **Vinca minor*, *Myrtle*.
 - **Viola*, in variety, *Violet*.
-

VII. TREES FOR STREETS AND AVENUES

Note—The fifteen trees listed here are ranked according to general desirability for the area north of the Ohio River and east of the Missouri River.

- **Ulmus Americana*, *American Elm*.
 - **Quercus rubra*, *Red Oak*.
 - **Acer platanoides*, *Norway Maple*.
 - **Platanus orientalis*, *Oriental Plane*.
 - **Tilia Europaea*, *European Linden*.
 - **Quercus coccinea*, *Scarlet Oak*.
 - **Quercus palustris*, *Pin Oak*.
 - **Acer saccharum*, *Sugar Maple*.
 - Celtis occidentalis*, *Hackberry*.
 - Ginkgo biloba*, *Maidenhair Tree*.
 - **Tilia Americana*, *American Linden*.
 - **Fraxinus Americana*, *White Ash*.
 - **Gleditsia triacanthos inermis*, *Thornless Honey Locust*.
 - Liquidambar styraciflua*, *Sweet Gum*.
 - Liriodendron tulipifera*, *Tulip Tree*.
-

VIII. TREES NOT TO BE USED ON STREETS OR NEXT TO THE HOUSE EXCEPT UNDER CONDITIONS ADVERSE TO BETTER SPECIES

- **Acer dasycarpum*, *Silver or Soft Maple*.
- **Acer Negundo*, *Box Elder*.
- **Ailanthus glandulosa*, *Tree of Heaven*.
- **Catalpa bignonioides*, *Captalpa*.
- **Catalpa speciosa*, *Western Catalpa*.
- **Populus alba*, *White Poplar*.
- **Populus carolinensis*, *Carolina Poplar*.
- **Populus deltoides*, *Cottonwood*.
- **Prunus serotina*, *Wild Black Cherry*.
- Salix alba*, *White Willow*.
- **Salix nigra*, *Black Willow*.
- **Salix vitellina* varieties, *Golden Willow*.

IX. PLANTS FOR CONGESTED CITY DISTRICTS WHERE THERE IS CONSIDERABLE ATMOSPHERIC IMPURITY

Trees—

- **Acer Negundo*, *Box Elder*.
- **Ailanthus glandulosa*, *Tree of Heaven*.
- **Crataegus* (*mollis* or *coccinea* type), *Thorn*.
- **Platanus orientalis*, *Oriental Plane*.
- **Morus tatarica*, *Russian Mulberry*.
- **Populus carolinensis*, *Carolina Poplar*.
- **Populus alba*, *White Poplar*.
- **Robinia pseudacacia*, *Black Locust*.
- **Salix*, in variety, *Willow*.

Shrubs—

- **Aralia pentaphylla*, *Five-leaved Aralia*.
 - Artemisia abrotanum*, *Old Man*.
 - **Berberis Thunbergii*, *Japanese Barberry*.
 - **Colutea arborescens*, *Bladder Senna*.
 - **Forsythia*, (except *viridissima*), *Golden Bell*.
 - **Lycium chinense*, *Matrimony Vine*.
 - **Rhamnus* in variety, *Buckthorn*.
 - **Spiraea* in variety.
 - **Symphoricarpos* in variety.
 - **Syringa vulgaris*, *Lilac*.
-

X. LOW OR TRAILING PLANTS FOR COVERING SLOPES AND PREVENTING SOIL EROSION

Deciduous—

- **Ampelopsis quinquefolia*, *Virginia Creeper*.
- **Celastrus scandens*, *Bittersweet*.
- Comptonia asplenifolia*, *Sweet Fern*.
- **Diervilla trifida*, *Low Bush Honeysuckle*.
- **Forsythia suspensa*, *Drooping Golden Bell*.
- Lonicera Heckrottii*, *Low Honeysuckle*.
- **Lonicera sempervirens*, *Coral Trumpet Honeysuckle*.
- **Lycium chinense*, *Matrimony Vine*.
- Myrica cerifera*, *Bayberry*.
- **Rhus aromatica*, *Fragrant Sumach*.
- **Rosa setigera*, *Prairie Rose*.

- **Rosa wichuriana*, *Memorial Rose*.
- **Symphoricarpos vulgaris*, *Indian Currant*.
- **Vitis*, in variety, *Wild Grape*.
- Xanthorrhiza apiifolia*, *Yellow Root*.

Evergreen—

- **Juniperus canadensis*, *Common Low Juniper*.
- **Juniperus horizontalis*, *Waukegan Juniper*.
- **Juniperus Sabina*, *Savin Juniper*.
- Taxus canadensis*, *American Yew*.

Note—Any of the higher growing shrubs or trees may be used on banks or bluffs if soil and climate conditions permit.

XI. PLANTS FOR UNPROTECTED PLACES ALONG LAKE OR RIVER FRONTS

DECIDUOUS

Trees—

- Alnus glutinosa*, *Black Alder*.
- **Betula*, in variety, *Birch*.
- **Crataegus*, in variety, *Thorn*.
- **Eleagnus angustifolia*, *Russian Olive*.
- **Gleditschia triacanthos*, *Honey Locust*.
- **Populus*, in variety, *Poplar*.
- **Prunus*, in variety, *Wild Cherry*.
- **Pyrus*, in variety, *Wild Crab*.
- **Quercus*, in variety, *Oak*.
- **Robinia pseudacacia*, *Black Locust*.
- **Salix*, in variety, *Willow*.
- **Tilia*, in variety, *Linden*.
- **Ulmus*, in variety, *Elm*.
- **Fraxinus Americana*, *White Ash*.
- **Fraxinus lanceolata*, *Green Ash*.

Shrubs—

- **Amelanchier*, in variety, *Juneberry*.
- Cephalanthus occidentalis*, *Button Bush*.
- **Cornus*, in variety, *Dogwood*.
- **Diervilla trifida*, *Low Bush Honeysuckle*.
- **Eleagnus argentea*, *Silver Thorn*.
- **Lonicera*, in variety, *Bush Honeysuckle*.
- **Philadelphus coronarius*, *Mock Orange*.
- **Rhamnus*, in variety, *Buckthorn*.

PLANTS FOR UNPROTECTED PLACES ALONG LAKE OR RIVER
FRONTS—Continued*Deciduous—Continued*

- **Rhus aromatica*, *Fragrant Sumach*.
- **Rhus glabra*, *Smooth Sumach*.
- **Rhus typhina*, *Staghorn Sumach*.
- **Rosa rugosa*, *Japanese Rose*.
- *Rose, native bush forms.
- **Spiraea*, in variety.
- **Symphoricarpos*, in variety.
- **Syringa vulgaris*, *Common Lilac*.
- **Viburnum Opulus*, *Highbush Cranberry*.

Vines—

- **Ampelopsis quinquefolia*, *Virginia Creeper*.
- **Ampelopsis heterophylla*, *Various-leaved Ampelopsis*.
- **Celastrus scandens*, *Bittersweet*.
- **Lonicera sempervirens*, *Coral Trumpet Honeysuckle*.
- **Lycium chinense*, *Matrimony Vine*.
- **Vitis*, in variety, *Wild Grape*.

EVERGREENS

- **Juniperus canadensis*, *Common Low Juniper*.
- **Juniperus communis*, *Common Juniper*.
- **Juniperus horizontalis*, *Waukegan Juniper*.
- **Juniperus virginiana*, *Red Cedar*.
- **Picea alba*, *White Spruce*.
- **Pinus Austriaca*, *Austrian Pine*.
- **Pinus divaricata*, *Scrub Pine*.
- **Pinus resinosa*, *Red Pine*.
- **Pinus Strobus*, *White Pine*.
- **Pinus Sylvestris*, *Scotch Pine*.

XII. PLANTS FOR VARIOUS SOIL CONDITIONS

FOR LOW, MOIST SITUATIONS

Trees—

- **Acer dasycarpum*, *Silver or Soft Maple*.
- Acer rubrum*, *Red Maple*.
- Alnus*, in variety, *Alder*.
- Betula nigra*, *Red Birch*.
- Carpinus caroliniana*, *American Hornbeam*.
- **Fraxinus lanceolata*, *Green Ash*.

Fraxinus nigra, *Black Ash*.

Larix Americana, *American Larch*.

Nyssa sylvatica, *Sour Gum*.

Ostrya virginica, *Ironwood*.

Quercus alba, *White Oak*.

**Quercus macrocarpa*, *Bur Oak*.

Quercus palustris, *Pin Oak*.

Quercus platanooides, *Swamp White Oak*.

**Populus*, in variety, *Poplar*.

**Salix*, in variety, *Willow*.

**Ulmus fulva*, *Slippery Elm*.

Taxodium distichum, *Bald Cypress*.

Chamaecyparis Thuyoides, *White Cedar*.

**Thuja occidentalis*, *Arbor Vitae*.

Tsuga canadensis, *Hemlock*.

Shrubs—

**Aronia*, in variety, *Chokeberry*.

Azalea, in variety

Benzoin odoriferum, *Spice Bush*.

Calycanthus floridus, *Sweet Shrub*.

Cephalanthus occidentalis, *Button Bush*.

**Cornus sanguinea*, *Red Dogwood*.

**Cornus sericea*, *Purple Dogwood*.

**Cornus stolonifera*, *Red Osier*.

Clethra alnifolia, *Sweet Pepper Bush*.

Ilex verticillata, *Winterberry*.

**Hamamelis virginiana*, *Witch Hazel*.

**Rosa carolina*, *Swamp Rose*.

**Sambucus*, in variety, *Elder*.

**Spiraea salicifolia*, *Meadow Sweet*.

**Spiraea tomentosa*, *Hard Hack*.

Rubus odoratus, *Flowering Raspberry*.

Vaccinium corymbosum, *Blueberry*.

**Viburnum acerifolium*, *Maple-leaved Viburnum*.

Viburnum alnifolium, *Hobble Bush*.

Viburnum cassinoides, *White Rod*.

Viburnum dentatum, *Arrow Wood*.

Viburnum Lentago, *Sheepberry*.

Vines—

**Clematis virginiana*, *Virgin's Bower*.

Rubus hispidus, *Swamp Dewberry*.

Menispermum canadense, *Moonseed Vine*.

Smilax rotundifolia, *Greenbrier*.

**Tecoma radicans*, *Trumpet Creeper*.

PLANTS FOR VARIOUS SOIL CONDITIONS—Continued

FOR DRY UPLAND SITUATIONS

Trees—

- **Ailanthus glandulosa*, *Tree of Heaven*.
- Crataegus*, in variety, *Thorn*.
- **Fraxinus Americana*, *White Ash*.
- **Gleditschia triacanthos*, *Honey Locust*.
- **Prunus*, in variety, *Wild Cherry and Plum*.
- **Pyrus*, in variety, *Wild Crab*.
- Quercus coccinea*, *Scarlet Oak*.
- **Robinia pseudacacia*, *Black Locust*.
- **Juniperus virginiana*, *Red Cedar*.
- **Pinus divaricata*, *Scrub Pine*.
- **Pinus sylvestris*, *Scotch Pine*.

Shrubs—

- **Amorpha*, in variety, *Lead Plant*.
- Baccharis halimifolia*, *Groundsel Shrub*.
- **Berberis Thunbergii*, *Japanese Barberry*.
- Caragana arborescens*, *Siberian Pea*.
- Ceanothus americanus*, *New Jersey Tea*.
- **Colutea arborescens*, *Bladder Senna*.
- Comptonia asplenifolia*, *Sweet Fern*.
- **Cornus paniculata*, *Gray Dogwood*.
- **Corylus Americana*, *Hazel Bush*.
- Cytisus*, in variety, *Broom*.
- Deutzia*, in variety.
- **Eleagnus*, in variety.
- Erica*, in variety, *Heather*.
- **Hamamelis virginiana*, *Witch Hazel*.
- **Juniperus canadensis*, *Common Low Juniper*.
- **Juniperus Sabina*, *Savin Juniper*.
- **Ligustrum*, in variety, *Privet*.
- **Lonicera*, in variety, *Bush Honeysuckle*.
- **Rhus*, in variety, *Sumach*.
- **Ribes alpinum*, *Mountain Currant*.
- Salix humilis*, *Prairie Willow*.
- Salix tristis*, *Sage Willow*.
- **Spiraea*, in variety.
- Shepherdia argentea*, *Buffalo Berry*.
- **Symphoricarpos*, in variety.
- **Viburnum*, most species.
- Xanthoxylum americanum*, *Prickly Ash*.

Vines—

- **Ampelopsis quinquefolia*, *Virginia Creeper*.
- **Celastrus scandens*, *Bittersweet*.
- **Lonicera japonica*, *Japanese Honeysuckle Vine*.
- **Lycium chinense*, *Matrimony Vine*.
- **Rosa setigera*, *Prairie Rose*.

FOR SANDY SOIL

Trees—

- **Betula*, in variety, *Birch*.
- **Robinia pseudacacia*, *Black Locust*.
- Juniperus communis*, *Common Juniper*.
- **Juniperus virginiana*, *Red Cedar*.
- **Pinus*, most species, *Pine*.

Shrubs—

- Baccharis halimifolia*, *Groundsel Shrub*.
- Caragana arborescens*, *Siberian Pea*.
- Cytisus*, in variety, *Broom*.
- Comptonia asplenifolia*, *Sweet Fern*.
- Hippophae rhamnoides*, *Sea Buckthorn*.
- Myrica cerifera*, *Bayberry*.
- Prunus maritima*, *Beach Plum*.
- Prunus pumila*, *Sand Cherry*.
- **Rhamnus catharticus*, *Buckthorn*.
- **Rhus aromatica*, *Fragrant Sumach*.
- Salix tristis*, *Sage Willow*.
- **Symphoricarpos*, in variety.
- **Juniperus canadensis*, *Common Low Juniper*.
- **Juniperus horizontalis*, *Waukegan Juniper*.

Vines—

- **Lycium chinense*, *Matrimony Vine*.

FOR STIFF CLAY SOIL

Trees—

- **Acer saccharum*, *Sugar or Hard Maple*.
- **Crataegus*, in variety, *Thorn*.
- **Fraxinus americana*, *White Ash*.
- **Quercus*, in variety, *Oak*.
- **Robinia pseudacacia*, *Black Locust*.
- Abies*, in variety, *Fir*.
- **Picea excelsa*, *Norway Spruce*.
- **Pinus sylvestris*, *Scotch Pine*.
- **Pseudotsuga Douglasii*, *Douglas Fir*.

PLANTS FOR VARIOUS SOIL CONDITIONS—Continued

For Stiff Clay Soil—Continued

**Thuya occidentalis*, *Arbor Vitae*.

**Tsuga canadensis*, *Hemlock*.

Shrubs—

**Berberis Thunbergii*, *Japanese Barberry*.

**Cornus*, in variety, *Dogwood*.

**Corylus*, in variety, *Hazel*.

**Diervilla*, in variety, *Weigela*.

**Rose*, in variety.

**Spiraea*, in variety.

**Viburnum*, in variety.

**Rhus*, in variety, *Sumach*.

XIII. PLANTS FOR ROCK GARDENS

WOODY PLANTS

Deciduous—

Ceanothus in variety, *New Jersey Tea*.

Cotoneaster horizontalis, *Chinese Quince Berry*.

Daphne Mezereum, *Garland Flower*.

Hedysarum mulijugum, *French Honeysuckle*.

Hypericum, in variety, *St. John's Wort*.

Lonicera Albertii, *Albert Honeysuckle*.

Potentilla fruticosa, *Shrubby Cinquefoil*.

Rosa wichuriana, *Memorial Rose*.

Rubus laciniatus, *Trailing Dewberry*.

Euonymus obovatus, *Running Strawberry Bush*.

Evergreen—

Arctostaphylos Uva-ursi, *Bearberry*.

Daphne Cneorum, *Garland Flower*.

Erica carnea, *Heather*.

Euonymus radicans, *Evergreen Bittersweet*.

Gaultheria procumbens, *Wintergreen*.

**Juniperus canadensis*, *Common Low Juniper*.

Juniperus chinensis procumbens, *Trailing Chinese Juniper*.

**Juniperus horizontalis*, *Waukegan Juniper*.

Juniperus japonica, *Japanese Juniper*.

**Juniperus Sabina*, *Savin Juniper*.

**Juniperus Sabina tamariscifolia*, *Tamarisk Juniper*.

- **Lysimachia nummularia*, *Moneywort*.
Mitchell repens, *Partridge Berry*.
- **Pachysandra terminalis*, *Japanese Sponge*.
Picea excelsa, dwarf varieties, *Dwarf Norway Spruce*.
- **Pinus mughus*, *Mugho Pine*.
Taxus baccata repandens, *Spreading English Yew*.
Taxus canadensis, *American Yew*.

PERENNIALS

- **Ajuga Genevensis*, *Bugle*.
Alyssum saxatile, *Golden Tuft*.
- **Anemone Pennsylvanica*, *Windflower*.
- **Aquilegia canadensis*, *Columbine*.
Aquilegia coerulea, *Rocky Mountain Columbine*.
- **Arabis albida*, *Rock Cress*.
Armeria maritima, *Sea Thrift*.
Aster alpinus, *Mountain Aster*.
- **Campanula carpatica*, *Bluebell*.
- **Cerastium tomentosum*, *Mouse Ear*.
- **Dianthus*, in variety, *Pinks*.
Ferns, various species for sun or shade.
Gypsophila repens, *Creeping Chalk Plant*.
Helianthemum, in variety, *Rock Rose*.
- **Hepatica*, in variety, *Liver-leaf*.
- **Heuchera sanguinea*, *Coral Bells*.
Iberis sempervirens, *Candytuft*.
Iris cristata, *Crested Iris*.
- **Iris pumila*, *Dwarf Iris*.
Linum perenne, *Blue Flax*.
- **Nepeta glechoma*, *Ground Ivy*.
- **Nepeta Mussini*, *Catmint*.
Oenothera Missouriensis, *Missouri Primrose*.
Oenothera Youngii, *Yellow Evening Primrose*.
Papaver nudicaule, *Iceland Poppy*.
Phlox amoena, *Hairy-leaved Phlox*.
- **Phlox divaricata*, *Wild Sweet William*.
Phlox ovata, *Carolina Phlox*.
Phlox stellaria, *Chickweed Phlox*.
- **Phlox subulata*, *Moss Pink*.
Polemonium reptans, *Jacob's Ladder*.
Primula, in variety, *Primrose*.
- **Saxifraga cordifolia*, *Saxifrage*.
- **Sedum*, in variety, *Stonecrop*.
- **Sempervivum*, in variety, *House-leek*.

PLANTS FOR ROCK GARDENS—Continued

Perennials—Continued

- Silene, in variety, *Catchfly*.
 Statice latifolia, *Sea Lavender*.
 *Thalictrum aquilegifolium, *Feathered Columbine*.
 Tunica saxifraga, *Saxifrage-like Tunica*.
 Veronica repens, *Creeping Speedwell*.
 *Veronica rupestris, *Rock Speedwell*.
 *Viola cornuta, *Tufted Pansy*.
-

XIV. PLANTS FOR WATER GARDENS

FOR BOGGY SITUATIONS OR AT WATER'S EDGE

- *Acorus calamus, *Sweet Flag*.
 Arundo Donax, *Giant Reed*.
 Arisaema triphyllum, *Jack-in-the-Pulpit*.
 *Asclepias incarnata, *Milkweed*.
 *Asclepias tuberosa, *Butterfly Weed*.
 Aster cordifolius, *Aster*.
 *Aster Novae-Angliae, *New England Aster*.
 Bambusa, in variety, *Bamboo*.
 *Boltonia asteroides, *False Chamomile*.
 *Boltonia latisquama, *Broad-scaled Boltonia*.
 Butomus umbellatus, *Flowering Rush*.
 *Calla palustris, *American Calla*.
 *Caltha palustris, *Marsh Marigold*.
 Calopogon pulchellus, *Grass Pink Orchis*.
 Carex lurida, *Sedge*.
 Carex vulgaris, *Sedge*.
 Cyripedium acaule, *Lady's Slipper*.
 Cyripedium spectabile, *Showy Lady's Slipper*.
 Cyperus alternifolius, *Umbrella Plant*.
 Dionaea muscipula, *Venus' Fly Trap*.
 Drosera filiformis, *Thread-leaved Sundew*.
 Drosera rotundifolia, *Roundleaved Sundew*.
 Equisetum hyemale, *Common Horsetail*.
 Erianthus ravennae, *Plume Grass*.
 *Eulalia japonica, *Japanese Pampas Grass*.
 *Eupatorium perfoliatum, *Thoroughwort*.

- Eupatorium ageratoides, *White Snake-root*.
 *Eupatorium purpureum, *Joe Pye Weed*.
 Gentiana Andrewsii, *Closed Gentian*.
 Habenaria ciliaris, *Yellow Fringed Orchis*.
 *Hibiscus Moscheutos, *Marsh Mallow*.
 *Iris Kaempferi, *Japanese Iris*.
 *Iris pseudacorus, *Yellow Iris*.
 *Iris versicolor, *Canadian Iris*.
 *Lobelia cardinalis, *Cardinal Flower*.
 *Lobelia syphilitica, *Blue Lobelia*.
 *Lythrum salicaria, *Purple Loose Strife*.
 *Lythrum roseum, *Rosy Loose Strife*.
 *Myosotis palustris semperflorens, *Forget-me-not*.
 *Onoclea sensibilis, *Sensitive Fern*.
 *Orontium aquaticum, *Golden Club*.
 *Osmunda cinnamomea, *Cinnamon Fern*.
 *Osmunda regalis, *Royal Fern*.
 *Peltandra virginica, *Water Arum*.
 Phalaris arundinacea, *Reed Grass*.
 *Physostegia virginica, *False Dragon Beard*.
 *Pontederia cordata, *Pickrel Weed*.
 Rhexia virginica, *Meadow Beauty*.
 Sabbatia chloroides, *Sabbatia*.
 *Sagittaria latifolia, *Arrowhead*.
 Sarracenia Drummondii, *Pitcher Plant*.
 Sarracenia flava, *Trumpet Leaf*.
 Sarracenia purpurea, *Pitcher Plant*.
 Scirpus atrovirens, *Marsh Sedge*.
 Solidago canadensis, *Common Goldenrod*.
 Solidago sempervirens, *Goldenrod*.
 Spiraea Aruncus, *Goat's Beard*.
 Symplocarpus foetidus, *Skunk Cabbage*.
 Typha latifolia, *Cat Tail*.
 Woodwardia virginica, *Chain Fern*.

AQUATIC PLANTS

- Aponogeton distachyum, *Cape Pond Weed*.
 *Brasenia peltata, *Water Shield*.
 Nasturtium officinale, *Hardy English Water Cress*.
 Nelumbium, in variety, *Lotus*.
 Nuphar, in variety, *Common Yellow Lily*.
 Nymphaea, in variety, *Water Lily*.

XV. PLANTS WITH SPECIAL INTEREST IN TWIG, LEAF OR FRUIT

Twig color interest—

- **Acer dasycarpum*, *Soft Maple or Silver Maple*, silver gray.
- **Betula alba*, *White Birch*, white bark, copper red twig.
Betula papyrifera, *Paper Birch*, white bark.
Betula nigra, *Red Birch*, salmon red bark.
- **Cornus alba*, *Red Dogwood*, red twigs.
- **Cornus sanguinea*, *Native Dogwood*, red twigs.
- **Cornus sericea*, *Purple Dogwood*, purple twigs.
- **Cornus stolonifera aurea*, *Golden Dogwood*, yellow twigs.
Cytisus scoparius, *Broom*, green twigs.
- **Crataegus*, in variety, *Thorn*, light gray twigs.
- **Euonymus*, in variety, *Burning Bush*, green twigs.
Fagus, in variety, *Beech*, silver gray twigs and bark.
Kerria japonica, *Globe Flower*, green twigs.
Liquidambar styraciflua, *Sweet Gum*, silver gray twigs.
Magnolia, in variety, *Magnolia*, silver gray.
Platanus, in variety, *Sycamore*, mottled bark.
- **Populus, alba*, *White Poplar*, greenish white bark.
- **Rosa*, in variety, *Rose*, green or red.
- **Salix caprea*, *Pussy Willow*, greenish gray and red.
- **Salix vitellina aurea*, *Golden Willow*, yellow twig.
- **Salix vitellina Britzensis*, *Salmon Willow*, salmon red.

Autumn leaf color interest—

- Acer tataricum* Ginnala, *Siberian Maple*, red.
- Acer rubrum*, *Red Maple*, red.
- **Acer saccharum*, *Sugar or Hard Maple*, red or yellow.
- **Amelanchier*, in variety, *Juneberry*, red.
- **Ampelopsis*, in variety, *Five-leaved Ivy*, red.
- **Aronia*, in variety, *Chokeberry*, red.
- **Berberis Thunbergii*, *Japanese Barberry*, red.
Cercidiphyllum japonicum, *Kadsura Tree*, purple and yellow.
- **Celastrus*, in variety, *Bittersweet*, yellow.
- **Cornus*, in variety, *Dogwood*, red.
- **Crataegus*, in variety, *Thorn*, red and yellow.
- **Euonymus*, in variety, *Burning Bush*, red.
- **Fraxinus Americana*, *White Ash*, purple and gold.
Hicoria ovata, *Shagbark Hickory*, yellow.
Liriodendron tulipifera, *Tulip Tree*, yellow.
Liquidambar styraciflua, *Sweet Gum*, red.
Nyssa sylvatica, *Sour Gum*, red.

- Oxydendrum arboreum, *Sourwood*, red.
 Quercus alba, *White Oak*, purplish red.
 Quercus coccinea, *Scarlet Oak*, red.
 *Quercus rubra, *Red Oak*, red.
 *Rhus, in variety, *Sumach*, red.
 *Ribes aureum, *Fragrant Currant*, red and yellow.
 *Rosa, in variety, *Rose*, red and yellow.
 Sassafras officinale, *Sassafras*, red.
 Syringa oblata, *Early Chinese Lilac*, red.
 *Viburnum, in variety, red.
 Vitis, in variety, *Wild Grape*, red and yellow.

Plants bearing attractive fruits—

- *†Amelanchier, in variety, *Juneberry*.
 Aesculus, in variety, *Buckeye or Horse Chestnut*.
 *Ailanthus glandulosa, staminate variety, *Tree of Heaven*.
 *†Ampelopsis quinquefolia, *Virginia Creeper*.
 *†Aronia, in variety, *Chokeberry*.
 Asimina triloba, *Pawpaw*.
 Baccharis halimifolia, *Groundsel Shrub*.
 *†Berberis, in variety, *Barberry*.
 *†Betula, in variety, *Birch*.
 *Catalpa, in variety, *Catalpa*.
 †Callicarpa purpurea, *Beauty Fruit*.
 *†Celastrus, in variety, *Bittersweet*.
 *†Cornus, in variety, *Dogwood*.
 Cephalanthus occidentalis, *Button Bush*.
 Cotoneaster, in variety, *Cotoneaster*.
 *†Crataegus, in variety, *Thorn*.
 Diospyros virginiana, *Persimmon*.
 Carpinus caroliniana, *Hornbeam*.
 *†Eleagnus, in variety, *Oleaster*.
 *†Euonymus, in variety, *Burning Bush*.
 *Gleditschia triacanthos, *Honey Locust*.
 Gymnocladus canadensis, *Kentucky Coffee Tree*.
 Hicoria, in variety, *Hickory*.
 Ilex, in variety, *Holly*.
 *†Juniperus virginiana, *Red Cedar*.
 †Juniperus, communis, *Common Juniper*.
 Juglans, in variety, *Walnut*.
 Larix, in variety, *Larch*.
 *†Ligustrum, in variety, *Privet*.
 *†Lonicera, in variety, *Honeysuckle*.

†Fruits attractive to birds.

PLANTS WITH SPECIAL INTEREST—Continued

Plants Bearing Attractive Fruits—Continued

- *†Lycium, in variety, *Matrimony Vine*.
Magnolia acuminata, *Cucumber Tree*.
- *†Morus, in variety, *Mulberry*.
†Myrica, in variety, *Bayberry*.
Ostrya virginica, *Ironwood*.
- *†Prunus, in variety, *Cherry and Plum*.
*Pyrus, in variety, *Apple, Crabapple, Pear*.
- *†Rhamnus, in variety, *Buckthorn*.
*Rhodotypos kerrioides, *White Kerria*.
Platanus, in variety, *Sycamore*.
- *†Rhus, in variety, *Sumach*.
- *†Ribes, in variety, *Currant, Gooseberry*.
*†Rosa, in variety, *Rose*.
- *†Rubus, in variety, *Blackberry, Dewberry, Raspberry*.
- *†Sambucus, in variety, *Elder*.
Smilax rotundifolia, *Greenbrier*.
†Solanum dulcamara, *Nightshade*.
- *†Sorbus, in variety, *Mountain Ash*.
- *†Symphoricarpos, in variety.
Taxus, in variety, *Yew*.
Toxylon pomiferum, *Osage Orange*.
- *Tilia, in variety, *Linden*.
†Vaccinium, in variety, *Blueberry*.
- *†Viburnum, in variety, *except sterile flowered species*.
- *†Vitis, in variety, *Grape*.
All cone-bearing evergreens

XVI. SHRUBS VALUABLE FOR FLOWERS, IN ORDER OF BLOOM

April—

- *Cornus Mas, *Cornelian Cherry*, yellow.
- *Corylus, *Hazel*, yellow.
Daphne Mezereum, *Garland Flower*, rosy purple.
- *Forsythia, in variety, *Golden Bell*, yellow.
Magnolia stellata, *Starry Magnolia*, white.
- *Salix Caprea, *Pussy Willow*, yellow.
Salix tristis, *Sage Willow*, orange yellow.

†Fruits attractive to birds.

May—

- *Amelanchier, in variety, *Juneberry*, white.
- *Aronia, in variety, *Chokeberry*, white.
- Cercis canadensis*, *Red Bud*, rosy pink.
- *Cornus, in variety, *Dogwood*, white.
- *Berberis, in variety, *Barberry*, yellow.
- *Cydonia japonica, *Japanese Quince*, orange red.
- *Crataegus, in variety, *Thorn*, white.
- Daphne Cneorum*, *Garland Flower*, pink.
- Deutzia*, white.
- Exochorda grandiflora*, *Pearl Bush*, white.
- Kerria japonica*, *Globe Flower*, yellow.
- *Lonicera, in variety, *Honeysuckle*, white, yellow, pink.
- Leucothoe Catesbaei*, *Drooping Andromeda*, white.
- Magnolia*, in variety, *Magnolia*, pink, white.
- *Prunus, in variety, *Cherry*, *Plum*.
- *Pyrus, in variety, *Apple*, *Crab*, *Pear*.
- Rhododendron*, in variety, various colors.
- *Rhodotypos kerrioides, *White Kerria*, white.
- *Ribes aureum, *Fragrant Currant*, yellow.
- Sambucus racemosa*, *Red-berried Elder*, white.
- Spiraea arguta*, *Hybrid Show Garland*, white.
- Spiraea cantoniensis*, *Canton Spiraea*, white.
- Spiraea prunifolia flore pleno*, *Bridal Wreath*, white.
- *Spiraea Van Houttei, *Bridal Bower*, white.
- Spiraea Thunbergii*, *Snow Garland*, white.
- *Syringa, in variety, *Lilac*, white, purple, lavender, blue.
- Viburnum alnifolium*, *Hobble Bush*, white.
- Viburnum Carlesii*, *Carle Viburnum*, pink.
- *Viburnum lantana, *Wayfaring Tree*, white.
- Viburnum opulus sterile*, *Snowball*, white.
- *Viburnum prunifolium, *Black Haw*, white.
- Viburnum tomentosum*, *Japanese Viburnum*, white.
- *Vinca minor, *Myrtle*, blue.
- Wistaria*, in variety, *Wistaria*, white, blue.

June—

- *Amorpha fruticosa, *False Indigo*, purple.
- Chionanthus virginica*, *White Fringe*, white.
- *Colutea arborescens, *Siberian Pea*, yellow.
- *Cornus paniculata, *Gray Dogwood*, white.
- *Cornus alba, *Siberian Dogwood*, white.
- *Cornus sericea, *Purple Dogwood*, white.
- *Crataegus, in variety, *Thorn*, white.

SHRUBS VALUABLE FOR FLOWERS IN ORDER OF BLOOM—
Continued

July—Continued

- Cytisus, *Broom*, yellow.
 Deutzia scabra, *Rough-leaved Deutzia*, white.
 *Diervilla, in variety, *Weigela*, white, pink, rose.
 Kalmia, *Mountain Laurel*, pink.
 *Ligustrum, in variety, *Privet*, white.
 Lonicera japonica, *Japanese Honeysuckle*, white and yellow.
 *Rhus typhina, *Staghorn Sumach*, yellow.
 Robinia hispida, *Rose Acacia*, pink.
 *Rose, in variety, various colors except blue.
 *Philadelphus, in variety, *Mock Orange*, white.
 *Sambucus canadensis, *Elder*, white.
 *Spiraea opulifolia, *Ninebark*, white.
 *Sorbus, in variety, *Mountain Ash*, white.
 *Syringa japonica, *Japanese Lilac*, white.
 Syringa villosa, *Himalayan Lilac*, lavender.
 *Viburnum acerifolium, *Maple-leaved Viburnum*, white.
 Viburnum cassinoides, *Withe Rod*, white.
 *Viburnum dentatum, *Arrow Wood*, white.
 *Viburnum Lentago, *Sheepberry*, white.
 *Viburnum Opulus, *Highbush Cranberry*, white.
 *Viburnum pubescens, *Downy Viburnum*, white.
 Viburnum Sieboldii, *Siebold Viburnum*, white.
 Viburnum tomentosum plicatum, *Japanese Snowball*, white.
 *Viburnum molle, *Common Viburnum*, white.

July—

- Amorpha canescens, *Lead Plant*, blue purple.
 Buddleia, in variety, *Butterfly Bush*, blue, lavender.
 Ceanothus, in variety, *New Jersey Tea*, white, blue.
 Clematis, hybrids, various colors.
 Clethra alnifolia, *Sweet Pepper Bush*, white.
 *Hydrangea arborescens grandiflora, *Hills of Snow*, white.
 Hypericum, in variety, *St. John's Wort*, yellow.
 Potentilla fruticosa, *Shrubby Cinquefoil*, yellow.
 Rhus Cotinus, *Smoke Bush*, purple.
 *Rosa setigera, *Prairie Rose*, pink.
 *Rosa wichuriana, *Memorial Rose*, white.
 Rubus odoratus, *Flowering Raspberry*, pink.
 Spiraea albiflora, *Japanese Spiraea*, white.
 *Spiraea bumalda Anthony Waterer, *Anthony Waterer Spiraea*, red.
 *Spiraea Billardii, *Billard Spiraea*, pink.

**Spiraea callosa*, *Fortune's Spiraea*, white and pink.

**Spiraea salicifolia*, *Meadow Sweet*, white.

**Spiraea sorbifolia*, *Ash-leaved Spiraea*, white.

**Symphoricarpos racemosus*, *Snowberry*, pink.

Tecoma radicans, *Trumpet Creeper*, red orange.

August—

Hibiscus Syriacus, *Rose of Sharon*, white, pink, red, blue.

**Hydrangea paniculata grandiflora*, *Hydrangea*, white.

**Spiraea tomentosa*, *Hardhack*, pink.

**Symphoricarpos vulgaris*, *Indian Currant*, pink.

September—

**Clematis paniculata*, *Japanese Clematis*, white.

October—

**Hamamelis virginiana*, *Witch Hazel*, yellow.

XVII. VINES FOR SPECIAL PURPOSES

FOR PERGOLAS

To cover top—

**Vitis*, in variety, *Grape*.

Wistaria, in variety.

For graceful twining effect on sides and top—

**Actinidia*, in variety, *Silver Vine*.

Akebia quinata, *Akebia*.

**Celastrus*, in variety, *Bittersweet*.

**Clematis paniculata*, *Japanese Clematis*.

Lonicera, in variety, *Honeysuckle*.

**Rosa*, in variety, *Climbing Rose*.

FOR SOLID SCREEN EFFECTS

**Ampelopsis quinquefolia*, *Virginia Creeper*.

**Aristolochia siphon*, *Dutchman's Pipe*.

Humulus lupulus, *Hop Vine*.

**Pueraria Thunbergiana*, *Kudzu Vine*.

FOR TRAINING ON FENCES, TRELLISES OR LATTICE

Note—Any of the vines above listed may be used for this purpose.

Clematis, in variety, *Hybrid Clematis*.

**Forsythia suspensa*, *Drooping Golden Bell*.

Ipomoea pandurata, *Moonflower*.

Lathyrus latifolius, *Everlasting Pea*.

**Lycium chinense*, *Matrimony Vine*.

VINES FOR SPECIAL PURPOSES

*For Training on Fences, Trellises or Lattice—Continued*Menispermum canadense, *Moonseed Vine*.Periploca graeca, *Silk Vine*.Polygonum Baldschuanicum, *Polypody Vine*.Tecoma radicans, *Trumpet Vine*.

FOR COVERING WALLS

*Ampelopsis Engelmannii, *Engelmann Ivy*.*Ampelopsis Veitchii, *Boston Ivy*.Euonymus radicans, *Evergreen Bittersweet*.Hedera helix, *English Ivy*.Schizophragma hydrangeoides, *Climbing Hydrangea*.

ANNUAL VINES FOR QUICK EFFECT

*Echinocystis lobata, *Wild Cucumber*.*Ipomaea purpurea, *Morning Glory*.Ipomaea bona-nox, *Moonflower*.*Phaseolus multiflorus, *Scarlet Runner Bean*.

XVIII.

PERENNIALS

BEST PERENNIALS FOR GENERAL USE

Aconitum, *Monkshood*, Napellus, autumnale, Fischeri.Althaea rosea, *Hollyhock*.Anchusa, *Alkanet*, Italica.Anemone, *Windflower*, japonica.Aquilegia, *Columbine*, chrysantha, coerulea, hybrida.Artemisia, *Wormwood*, lactiflora.

Aster, alpinus, Novae-Angliae.

Boltonia, *False Chamomile*.Campanula, *Harebell*, carpatica, medium, persicifolia, pyramidalis.

Chrysanthemum, leucanthemum, maximum and hardy varieties.

Clematis recta.

Coreopsis, *Tickseed*, lanceolata, gradiflora.Delphinium, *Larkspur*, belladonna, chinensis, coelestinum, hybridum.Dianthus, *Pinks*, barbatus, latifolius, plumarius.Dicentra, *Bleeding Heart*, eximia, spectabilis.Dictamnus, *Gas Plant*, albus.Digitalis, *Foxglove*, grandiflora, purpurea.Eryngium, *Sea Holly*, amethystinum, planum.Gaillardia, *Blanket Flower*, aristata, grandiflora.

Gypsophila, *Baby's Breath*, paniculata.
Helianthus, *Sunflower*, Miss Mellish, *orgyalis*.
Hemerocallis, *Day Lily*.
Iris.
Lilium, *Lily*.
Myosotis, *Forget-me-not*.
Nepeta, *Catmint*, *glechoma*, *Mussini*.
Oenothera, *Evening Primrose*, *Missouriensis*, *Youngii*.
Paeonia, *Peony*.
Phlox.
Platycodon, *Balloon Flower*.
Polemonium, *Jacob's Ladder*, *coerulea*, *reptans*.
Primula, *Primrose*, *polyantha*, *vulgaris*.
Pyrethrum, *Feverfew*, *roseum*, *uliginosum*.
Sedum, *Stonecrop*, *spectabilis*, *maximum*.
Spiraea, *filipendula*, *flore pleno*, *palmata elegans*.
Stachys lanata, *Woolly Woundwort*.
Thalictrum, *Rue*, *adiantifolium*, *aquilegifolium*, *dipterocarpum*.
Valeriana, *Garden Heliotrope*, *officinalis*.
Veronica, *Speedwell*, *longifolia*, *subsessilis*, *rupestris*.
Viola, *Violet*, *Pansy*, *cornuta*, *tricolor*.

WITH FOLIAGE LASTING THROUGHOUT THE SEASON

High growing (4'-8')—

Artemisia abrotanum, *Old Man*.
Arundo Donax, *Giant Reed*.
Aster cordifolius, *Aster*.
Aster Novae-Angliae, *New England Aster*.
Bocconia cordata, *Plume Poppy*.
Boltonia asteroides, *False Chamomile*.
Boltonia latisquama, *Broad-scaled Boltonia*.
Chelone Lyonii, *Turtle Head*.
Clematis Davidiana, *David Clematis*.
Clematis stans, *Erect Clematis*.
Echinops ritro, *Globe Thistle*.
Erianthus Ravennae, *Plume Grass*.
Eupatorium ageratoides, *Boneset*.
Eupatorium coelestinum, *Mist Flower*.
Eupatorium perfoliatum, *Thoroughwort*.
Eupatorium purpureum, *Joe Pye Weed*.
Helenium autumnale, *Sneezeweed*.
Helianthus, in variety, *Sunflower*.
Hibiscus Mocheutos, *Marsh Mallow*.
Lythrum roseum, *Rosy Loose Strife*.

PERENNIALS—Continued

With Foliage Lasting Throughout the Season—Continued

Polygonum Sieboldii, *Knotweed*.
Pyrethrum uliginosum, *Giant Daisy*.
Rudbeckia laciniata, *Golden Glow*.
Solidago altissima, *Golden Rod*.
Solidago canadense, *Golden Rod*.
Solidago lanceolata, *Golden Rod*.
Silphium, in variety, *Compass Plant*.
Spiraea Aruncus, *Goat's Beard*.
Valeriana officinalis, *Garden Heliotrope*.
Verbascum Olympticum, *Olympian Mullein*.

Medium height (1'-4')

Anemone japonica, *Japanese Anemone*.
Aquilegia chrysantha, *Yellow Columbine*.
Aquilegia hybrida, *Hybrid Columbine*.
Artemisia lactiflora, *Fragrant Artemisia*.
Artemisia stelleriana, *Old Woman*.
Astilbe Arendis, *Arends Astilbe*.
Astilbe japonica, *Japanese Goat's Beard*.
Boltonia latisquama nana, *Dwarf False Chamomile*.
Chrysanthemum, *Hardy Chrysanthemum*.
Chrysanthemum leucanthemum, *Shasta Daisy*.
Clematis recta, *Erect Clematis*.
Dicentra spectabilis, *Bleeding Heart*.
Dictamnus fraxinella, *Gas Plant*.
 Ferns, in variety.
Festuca glauca, *Blue Fescue Grass*.
Gypsophila paniculata, *Baby's Breath*.
Hemerocallis in variety, *Day Lily*.
Iris Germanica aurea.
Iris Kaempferia, *Japanese Iris*.
Iris pallida dalmatica.
Paeonia, in variety, *Peony*.
Phlox paniculata, in variety, *Phlox*.
Phlox Arendsi, in variety.
Phlox suffruticosa, in variety.
Physostegia virginica, *False Dragon Beard*.
Platycodon grandiflorum, *Balloon Flower*.
Spiraea filipendula flore pleno, *Dropwort*.
Spiraea lobata, *Queen of the Prairie*.
Spiraea palmata, *Palmate-leaved Meadow Sweet*.

Thalictrum, in variety, *Rue*.

Veronica longifolia subsessilis, *Speedwell*.

Yucca filamentosa, *Spanish Bayonet*.

Low growing (6"-15")

Achillea tomentosa, *Woolly Milfoil*.

Aegopodium podagraria variegatum, *Variegated Bishop's Weed*.

Arabis albida, *Rock Cress*.

Armeria maritima, *Sea Thrift*.

Arrhenatherum bulbosum variegatum, *Variegated Oat Grass*.

Campanula carpatica, *Harebell*.

Cerastium tomentosum, *Mouse Ear*.

Convallaris majalis, *Lily of the Valley*.

Dianthus plumarius, *Scotch Pink*.

Dicentra eximia *Dielytra*.

Funkia, in variety, *Plantain Lily*.

Helianthemum, in variety, *Rock Rose*.

Iris Germanica, in variety.

Iris pumila, *Dwarf Iris*.

Iris siberica, *Siberian Iris*.

Iberis sempervirens, *Candytuft*.

Myosotis palustris, *Forget-me-not*.

Nepeta Mussini, *Catmint*.

Oenothera Missouriensis, *Missouri Primrose*.

Oenothera Youngii, *Yellow Evening Primrose*.

Phlox subulata, *Creeping Phlox*.

Polemonium coerulea, *Jacob's Ladder*.

Polemonium reptans, *Jacob's Ladder*.

Saxifraga cordifolia, *Saxifrage*.

Scabiosa caucasica, *Mourning Bride*.

Sedum spectabilis, *Stonecrop*.

Stachys lanata, *Woolly Woundwort*.

Statice latifolia, *Sea Lavender*.

Veronica rupestris, *Creeping Speedwell*.

Viola cornuta, *Tufted Pansy*.

PERENNIALS ESPECIALLY DESIRABLE FOR FLOWERS

Anemone japonica, *Japanese Anemone*.

Aquilegia, *Columbine*.

Althaea rosea, *Hollyhock*.

Boltonia, *False Chamomile*.

Campanula, *Harebell*.

Chrysanthemum.

Coreopsis, *Tickseed*.

Dahlia.

PERENNIALS—Continued

Perennials Especially Desirable for Flowers—Continued

Delphinium, *Larkspur*.
 Dianthus, *Pinks*.
 Digitalis, *Foxglove*.
 Gaillardia, *Blanket Flower*.
 Gladiolus.
 Gypsophila, *Baby's Breath*.
 Helianthus, *Sunflower*.
 Hemerocallis, *Day Lily*.
 Iris.
 Lilium, *Lily*.
 Paeonia, *Peony*.
 Papaver, *Poppy*.
 Phlox.
 Pyrethrum, *Feverfew*.
 Platycodon, *Balloon Flower*.
 Rudbeckia, *Golden Glow*.
 Solidago, *Golden Rod*.
 Spiraea, *Goat's Beard*.
 Veronica, *Speedwell*.
 Viola, *Violet, Pansy*.

PERENNIALS IN ORDER OF BLOOM

April—

Alyssum saxatile, *Golden Tuft*, yellow.
 Arabis albida, *Rock Cress*, white.
 Bellis perennis, *English Daisy*, white, pink, red.
 Hepatica triloba, *Liver Leaf*, white, pink, lavender.
 Phlox subulata, *Trailing Phlox*, white, pink, blue.
 Saxifraga cordifolia, *Saxifrage*, purple.

May—

Note—Most April-flowering plants continue into May.

Ajuga genevensis, *Bugle*, blue.
 Aquilegia canadensis, *Columbine*, red and yellow.
 Aquilegia coerulea, *Rocky Mountain Columbine*, blue.
 Armeria maritima, *Sea Thrift*, pink.
 Convallaria majalis, *Lily of the Valley*, white.
 Dicentra spectabilis, *Bleeding Heart*, rose red and white.
 Iberis sempervirens, *Candytuft*, white.
 Iris florentina, *Orris Root*, white.
 Iris Germanica, *German Iris*, various colors.

Mertensia virginica, *Virginia Cowslip*, blue.
Myosotis palustris, *Forget-me-not*, blue.
Primula polyantha, *Primrose*, yellow.
Sedum acre, *Stonecrop*, yellow.
Trollius europaeus, *Globeflower*, yellow.
Veronica rupestris, *Rock Speedwell*, purple.

June—

Achillea tomentosa, *Woolly Yarrow*, yellow.
Anthemis tinctoria, *Golden Marguerite*, yellow.
Aquilegia chrysantha, *Yellow Columbine*, yellow.
Aquilegia hybrida, *Hybrid Columbine*, various colors.
Aster alpinus, *Mountain Aster*, blue, white.
Cerastium tomentosum, *Mouse Ear*, white.
Clematis recta, *Erect Clematis*, white.
Chrysanthemum leucanthemum, *Shasta Daisy*, white.
Coreopsis lanceolata, *Tickseed*, yellow.
Dianthus barbatus, *Sweet William*, red, white, pink.
Dictamnus fraxinella, *Gas Plant*, white pink.
Dianthus plumarius, *Scotch Pink*, red, white, pink.
Dicentra eximia, *Dielytra*, pink.
Digitalis purpurea, *Foxglove*, white, pink, purple, lavender.
Delphinium, *Larkspur*, blue, white.
Hemerocallis flava, *Lemon Lily*, yellow.
Hemerocallis fulva, *Orange Day Lily*, orange.
Heuchera sanguinea, *Coral Bells*, red, white.
Iris pseudacorus, *Yellow Flag*, yellow.
Iris versicolor, *Blue Flag*, blue, purple, yellow, white.
Iris Kaempferi, *Japanese Iris*, blue, purple, yellow, white.
Lilium candidum, *Madonna Lily*, white.
Lychnis, *Campion*, red, white, pink.
Oenothera, *Evening Primrose*, yellow, white.
Papaver orientale, *Oriental Poppy*, red, white, pink.
Phlox suffruticosa, in variety, various colors.
Pyrethrum roseum, *Feverfew*, red, white, pink.
Spiraea japonica, *Goat's Beard*, white.
Spiraea lobata, *Queen of the Prairie*, pink.

July—

Althaea rosea, *Hollyhock*, pink, white, red, yellow.
Asclepias incarnata, *Milkweed*, rose purple.
Asclepias tuberosa, *Butterfly Weed*, orange, red.
Aconitum, *Monkshood*, deep blue.
Bocconia cordata, *Plume Poppy*, white.
Campanula carpatica, *Harebell*, blue, white.

PERENNIALS—Continued

Perennials in Order of Bloom—Continued

Campanula pyramidalis, *Steeple Bells*, blue, white.
Gypsophila paniculata, *Baby's Breath*, white, pink.
Helianthus, *Sunflower*, yellow.
Lilium tigrinum, *Tiger Lily*, orange.
Lythrum roseum, *Rosy Loosestrife*, rose purple.
Phlox paniculata, various colors except yellow and blue.
Physostegia virginica, *False Dragon Beard*, white, pink.
Platycodon grandiflorum, *Balloon Flower*, white, blue.
Hudbeckia, *Golden Glow*, yellow.
Sedum stoloniferum, *Purple Stonecrop*, rosy purple.
Silphium, *Compass Plant*, yellow.
Solidago, *Goldenrod*, yellow.
Spiraea palmata, *Palmate-leaved Spiraea*, rosy pink, pink.
Stokesia cyanea, *Stokes Aster*, blue, white.

August—

Boltonia latisquama, *Broad-scaled Boltonia*, pink, lavender.
Aster Novae-Anglae, *New England Aster*, white, blue, purple.
Dahlia, various colors.
Eupatorium perfoliatum, *Thoroughwort*, white.
Eupatorium purpureum, *Joe Pye Weed*, rosy purple.
Funkia, *Plantain Lily*, white, lavender.
Helenium, *Sneezeweed*, yellow, orange.
Helianthus, *Sunflower*, yellow.
Hibiscus Moscheutos, *Marsh Mallow*, white, pink.
Liatris, *Blazing Star*, rosy purple.
Lilium Henryi, *Henry Lily*, orange.
Lilium speciosum, red, pink, white.
Lobelia cardinalis, *Cardinal Flower*, red.
Lobelia syphilitica, *Blue Lobelia*, blue.
Polygonum Sieboldii, *Knotweed*, white.
Pyrethrum uliginosum, *Giant Daisy*, white.
Rudbeckia, *Golden Glow*, yellow.
Pyrethrum roseum, *Feverfew*, red, white, pink.
Solidago, *Goldenrod*, yellow.
Spiraea japonica, *Goat's Beard*, white.
Veronica logifolia subsessilis, *Speedwell*, blue, purple.

September-October—

Anemone japonica, *Japanese Anemone*, white, red, pink.
Aster, in variety, blue, white, lavender, purple.
Boltonia asteroides, *False Chamomile*, white, lavender.

Chrysanthemum, hardy varieties, various colors.
 Clematis stans, *Erect Clematis*, blue.
 Helianthus, *Sunflower*, yellow.
 Sedum spectabilis, *Stonecrop*, rosy pink.
 Solidago, *Goldenrod*, yellow.

PERENNIALS ENDURING SHADE

Aconitum, *Monkshood*.
 Actaea, *Baneberry*.
 Ajuga Genevensis, *Bugle*.
 Anemone Japonica, *Japanese Anemone*.
 Aquilegia, *Columbine*.
 Campanula, *Harebell*.
 Convallaria majalis, *Lily of the Valley*.
 Dicentra, *Bleeding Heart*.
 Dictamnus, *Gas Plant*.
 Digitalis, *Foxglove*.
 Ferns.
 Funkia, *Plantain Lily*.
 Hemerocallis, *Day Lily*.
 Hepatica, *Liver Leaf*.
 Heuchera, *Coral Bells*.
 Iberis, *Candytuft*.
 Mertensia, *Virginia Cowslip*.
 Myosotis, *Forget-me-not*.
 Monarda, *Bergamont*.
 Oenothera, *Evening Primrose*.
 Platycodon, *Balloon Flower*.
 Pyrethum roseum, *Feverfew*.
 Pachysandra, *Japanese Spurge*.
 Spiraea, *Goat's Beard*.
 Thalictrum, *Rue*.

XIX.

BULBS

FOR INFORMAL PLANTING

Chionodoxa, *Glory of the Snow*.
 Colchicum, *Fall Crocus*.
 Convallaria, *Lily of the Valley*.
 †Crocus.
 Eranthus, *Winter Aconite*.

†Best for naturalizing.

BULBS—Continued

For Informal Planting—Continued

Fritillaria.

Galanthus, *Snowdrop*.Lilium, *Lily*.Muscari, *Grape Hyacinth*.

†Narcissus.

†Scilla, *Squill*.

FOR FORMAL BEDS OR BORDERS

Gladiolus.

Hyacinth.

Lilium, *Lily*.

Narcissus.

Tulip.

XX. BEST ANNUALS FOR GENERAL USE

Ageratum, *Floss Flower*.†Antirrhinum, *Snapdragon*.Alyssum Benthami maritimum, *Sweet Alyssum*.Calendula, *Pot Marigold*.Calliopsis, *Tickseed*.Calistephus, *China Aster*.Centaurea, *Bachelors Button*.Convolvulus minor, *Morning Glory*.Celosia, *Coxcomb*.

Clarkia.

Cosmos.

Delphinium, *Larkspur*.Dianthus, *Pinks*.Eschscholtzia, *California Poppy*.Gomphrena, *Globe Amaranth*.Gaillardia, *Blanket Flower*.Gypsophila, *Baby's Breath*.Helianthus, *Sunflower*.Helichrysum, *Strawflower*.Iberis, *Candytuft*.Ipomaea, *Morning Glory*.Lobelia erinus compacta, *Lobelia*.Lathyrus odoratus, *Sweet Pea*.

†Perennials, but treated as annuals.

- Lupinus nanus, *Lupine*.
Mirabilis, *Four-o'clock*.
Matthiola, *Stock*.
Nigella, *Love-in-a-mist*.
Nicotiana, *Tobacco*.
Petunia.
Papaver, *Poppy*.
Phlox Drummondii.
Reseda, *Mignonette*.
Salpiglossis, *Painted Tongue*.
Scabiosa, *Mourning Bride*.
Schizanthus, *Butterfly Flower*.
Tagetes, *Marigold*.
Tropaeolum, *Nasturtium*.
†Verbena.
†Viola tricolor, *Pansy*.
Zinnia.

†Perennials, but treated as annuals.

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